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| Application Number     | 10540035     |
| Filing Date            | 2006-06-22   |
| First Named Inventor   | CROWLEY      |
| Art Unit               | 1624         |
| Examiner Name          | Kahsay Habte |
| Attorney Docket Number | 70191        |

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|                   | 2       | 3984412       |                        | 1976-02-03 | Denzel, et al.                                  |  |
|                   | 3       | 5258356       |                        | 1993-11-02 | Saupe, et al.                                   |  |
|                   | 4       | 4801592       |                        | 1989-01-31 | Graf, et al.                                    |  |
|                   | 5       | 5821244       |                        | 1998-10-13 | Schaper, et al.                                 |  |
|                   | 6       | 5852042       |                        | 1998-12-22 | Jakobi, et al.                                  |  |
|                   | 7       | 5955473       |                        | 1999-09-21 | Wagner, et al.                                  |  |
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|                       | 4          | DATABASE BEILSTEIN; BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; Database Accession No. 538395 (BRN) & CROAT. CHEM. ACTA, vol. 44, 1972, pp. 419-421.   | <input type="checkbox"/> |

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| /KH/ | 5  | Med. Chem. (1968), 11(6), 1216-18.   | <input type="checkbox"/> |
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|      | 8  | MOGILIAIAH, K., et al., "LiCl Catalyzed Claisen-Schmidt Condensation in Solvent-Free Conditions Using Microwaves", Synthetic Communications, Vol. 33, No 1, pp. 73-78 (2003).  | <input type="checkbox"/> |
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|      | 10 | BADAWNEH, M., et al., "Synthesis of variously Substituted 1,8-naphthyridine derivatives and evaluation of their antimycobacterial activity"; Farmaco 57 (2002) pp. 631-639.    | <input type="checkbox"/> |
|      | 11 | FERRARINI, P., et al., "Synthesis and Antiplatelet Activity of Some 2,7-di(N-cycloamino)-3-phenyl-1,8-naphthyridine Derivatives"; Farmaco 56 (2001), pp. 311-318.              | <input type="checkbox"/> |
|      | 12 | FERRARINI, P., et al., "Synthesis and Antiplatelet Activity of some 3-phenyl-1,8-naphthyridine Derivatives"; Farmaco 55 (2000), pp. 603-610.                                   | <input type="checkbox"/> |
|      | 13 | DORNOW, A. and LOH, J., "Über Synthesen und Umsetzungen von 1,8-Naphthyridinen"; Archive der Pharmazie, vo. 62, no. 3, 1957, pp. 136-153.                                      | <input type="checkbox"/> |
|      | 14 | FERRARINI, P., et al., "Preparazione Ed Esame Farmacologico Di Alcuni Derivati 1,8-Naftiridin-4-Idrazonici"; Farmaco, Edizione Scientifica (1979) pp. 165-169.                 | <input type="checkbox"/> |
|      | 15 | FLOWERS, W., et al., "Reaction of Aromatic or Heterocyclic Amines and Perfluoro-2-methylpent-2-ene to give Fused Pyridines, ..."; Journal of the Chemical Society (1974); 134. | <input type="checkbox"/> |

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|      |    |   |                          |
|------|----|---|--------------------------|
| /KH/ | 16 | BECCALLI, E., et al, "Rearrangement reactions of 5-amino-1-(2-formyl-, benzoyl-, -cyano-aryl)..."; Journal of the Chemical Society Perkin Transactions 1 (1996), (12), p. 1359.   | <input type="checkbox"/> |
|      | 17 | POKORNY, D., et al, "The Meisenheimer Reaction of the 1,X-Naphthyridine 1-Oxides"; Journal of Organic Chemistry (1972), 37(2), pp. 3101-3105.   | <input type="checkbox"/> |
|      | 18 | HAWES, E., et al., "2,3-Disubstituted 1,6-Naphthyridines as Potential Diuretic Agents"; Journal of Medicinal Chemistry, (1973); 16(7), p. 849.  | <input type="checkbox"/> |
|      | 19 | ROMA, G., et al., "1,8-Naphthyridines IV. 9-Substituted N,N-dialkyl-5-(alkylamino or cycloalkylamino) [1,2,4]..."; European Journal of Medicinal Chemistry, (200), 35(11) 1021-.  | <input type="checkbox"/> |
|      | 20 | TOJA, E., et al. "Pyrrolopyridine Analogs of Nalidixic Acid. 1. Pyrrolo[2,3-b]pyridines"; J. Heterocyclic Chemistry, 23, p. 1555 (1986).  | <input type="checkbox"/> |
|      | 21 | SCHAFER, H., et al., "Zur Synthese von 4-Aminochinolinen und-chinolinonen-(2) aus Anthranilsaurenitri!"; J.f.prakt. Chemie, 321(4), 695 (1970).   | <input type="checkbox"/> |
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|      | 23 | JIAN-LONG CHEN , et al., "Synthesis of Some Benzo-furonaphthyridines and Benzo-furonaphthyridine Derivatives", Journal of Heterocyclic Chemistry, vol. 30, no. 3, 1993, pages 909-12, Page 909, compounds 2a, 2b, 3a, 3b. | <input type="checkbox"/> |

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